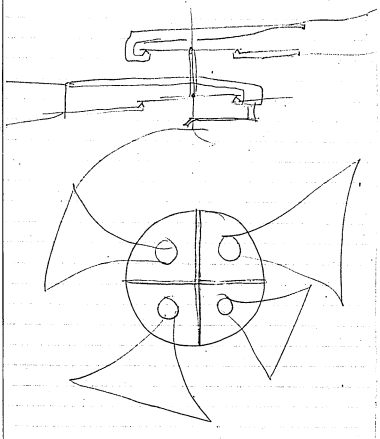
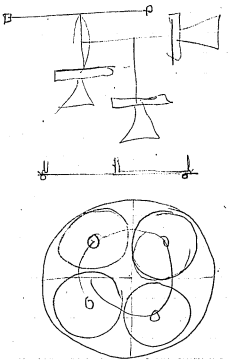
**Notebook, N-10-09-23**

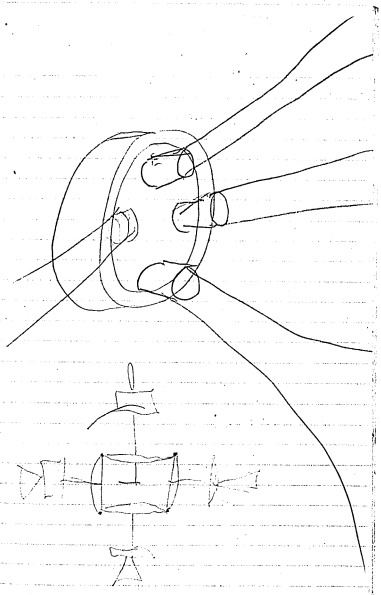
This notebook is a continuation of N-10-04-10. It was used during September 1910. All entries are by Edison. It is the third of three books that contain notes and drawings regarding phonograph recording apparatus. Several entries detail the use of motograph and telephone technology as means of improving recording fidelity. At the end of the book are drawings of phonograph cabinet designs. The front cover is marked "Phonograph Sept. 1910." The pages are unnumbered. Approximately 50 pages have been used.

Sept 23 1910—

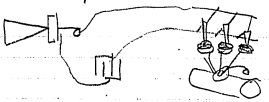
Phono-Organder





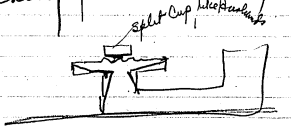


Sept 23 1910



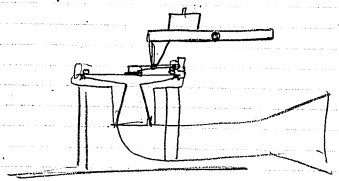
Try Multiple + in series -

also holding 3. Bells in front of funnel with small funnels pointing toward phone funnel + have switches to each so see if loudness increases by adding phones




Try Multiwave generator - Magnetic - High Res resistance of Tungsten lamps + other things -

Sept 23 1910



Silver fused Lampblack.

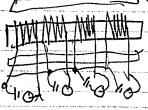
2 of these -

Also use 2 Reg Tiebolt

Multiple & series with

funnels -

Possibly if induction coil used



2/96
48

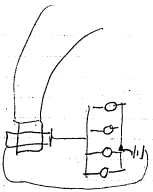
8 X 8

12 X 8

1.5
1.2
4.5

1.5
2.2.5

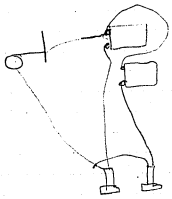
48 times



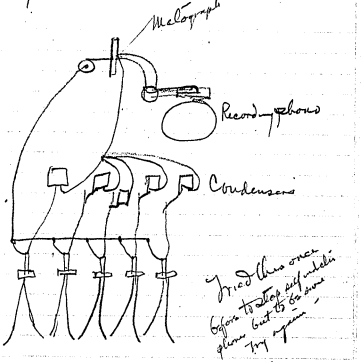
no sound Res 10000 ohm.
2500 Each — Current. ~~5 milamp~~
5000 Milamps Total
1250 " in Each
Distributes, 10 Milamp in 1.
Only 1 in Circuit. 40 ohm 2 volts.
50

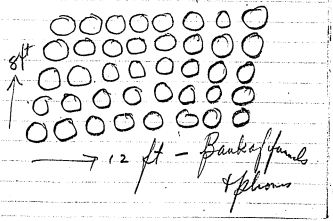
Res of 1 trans. 10 ohms 1 Volt —
100 Milamps — distributes, 1 ohm —
or 10% 5% up + down Variation
10 milamps
2 Multiple 5 ohm 1 V
200 Milamps

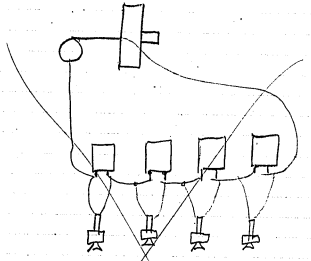
With 100 Telephone transmitters and 1 amp Current, 1 Volt. Total res shunted by 1 ohm or 40 ohm per phone
10% in one phone, would not be noticed



Sept 23 1910



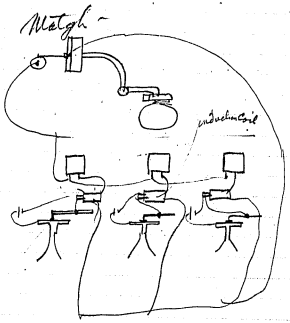


Think this is way I tried it before but I don't look right.
No it was as on page back

Sept 23 1910

found several receivers &
took them out for experiments
Have Carpenter see us them
So can put funnels on &
find out fix mouthpieces
so funnels can be attached
See if we have any phonoplex
Sounders on switch board &
Can put them there

Sept 23 1910



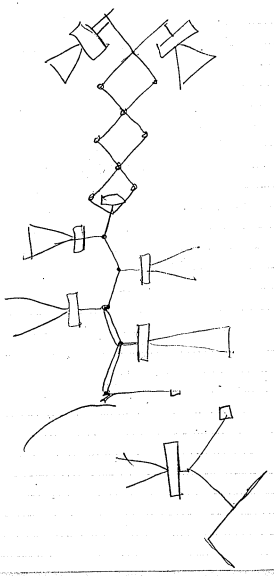

Carbon slow cutting of
throughout or
Husbands Transmitter

Make some mol rings of precipitates for recording. $ZrO$ once tried
Cuttle Easy – Try Carb Strontia
Organic precips –
Silephide antimony presses 150 at Po
a wax like but far harder. Terrible Tin
Arrangement of Expense by Hand
Pressed Salts of Organic acid + 6 mos
Many prove good.

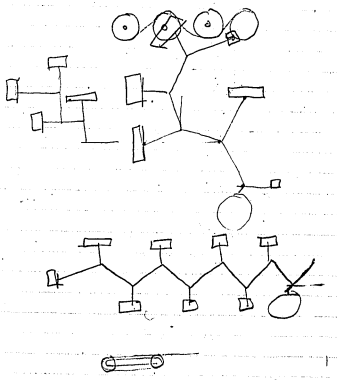
Goldstein Make some Fluoride Ca very fine
Will make Cylinder several precipitates
Note book 1902 say when wet with
KOH not very Loud then wet with water
many got loud. Try water front of
nothing use weak KOH

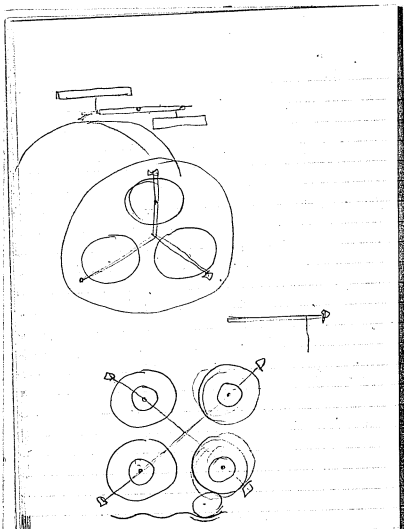
~~Powder up Tungstate Ka Na Very fine~~

Try Tungstic acid with weak KOH,
1902 book Sup. Wo3 acid with KOH to
dissolved by all ~~and very sensitive to~~ it works with $H_2SO_4$
Cant not good Like KOH. ½ Load of $SrCO_3$
Try Molybdic acid



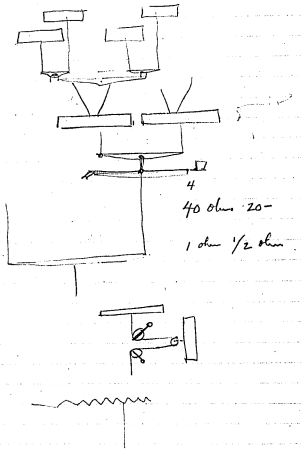
Try Bismuth Oxalate, diff process
do Sr Oxalate "





Sept 23 1910

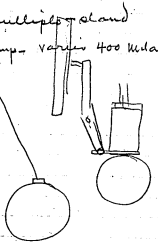
Think only way to play Music at distance from horn in a room a get rid of Down a well sound or Echoes is to Cover the Entire room 3" Thick with small sand bags in Cotton cloth & held in screen mesh say 1/4" mesh then the Musical Talking will be free of it possibly Matting 9" thick packed hard would do it




40 ohm Coil- 40 ohm res 40 Volts
1 amp- pressure reduces to 20 ohm
2 amp— 1 amp on 40 turns-

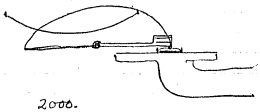
4 amp 40. Coil Multiple
one coil stand 200 mil amp - varies
10 mil amps

40 Coil Multiple stand
8000 Mil amp- varies 400 Mil amp
but



1000 ft sec

500 Vib Sec



2000.

.10- Reduced to 1 ohm

.20- 200 ohms 10 ohms

2000 ohms - 10 ohms annuals

$\frac{1}{200}$ in series - $\frac{10}{1}$ $\frac{1}{10}$ $\frac{1}{50}$

~~2000~~ In Multiple $\frac{1}{2}$ ohm

200 20 100 .50

12/540 (45 12/480 [

90 80 70

50 45

| | | | | | | |
|---|---|---|---|---|---|---|
| 100 | 1st | 6½ - | 600 - yr | 1 month | 50 c | |
| 90 | 2nd | " | 540 - | 2 | " | 45 - |
| 80 | 3 | " | 480 | 3 | | 40 |
| 70 | 4 | " | 420 | 4 | | 35 - |
| 60 | 5 - | " | 360 | 5 - | | 30 |
| 50 | 6 | " | 300 | 6 | | 25 - |
| 40 | 7 | | 240 | 7 | | 20 |
| 30 | 8 | | 180 | 8 | | 15 - |
| 20 | 9 | | 120 | 9 | | 10 |
| 10 | 10 | | 60 | 10 | | 5 - |

280

280.

1.320 000 - 4000 - 2 000 000

600 / 1.920

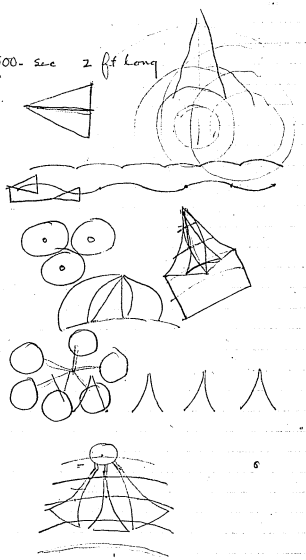
1

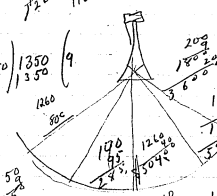
56 - 54 / 110 / 120 / 280 / 1120 / 1.

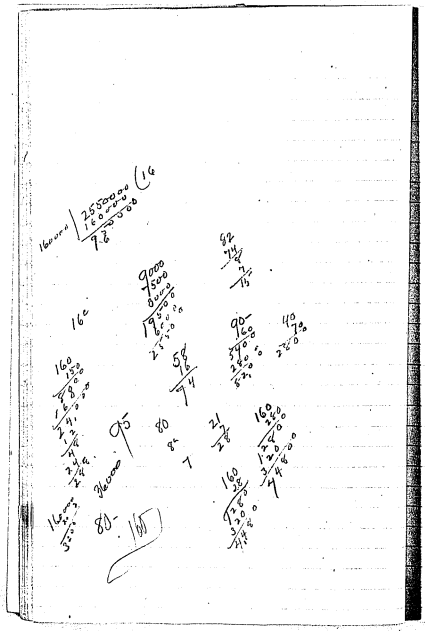
L 10

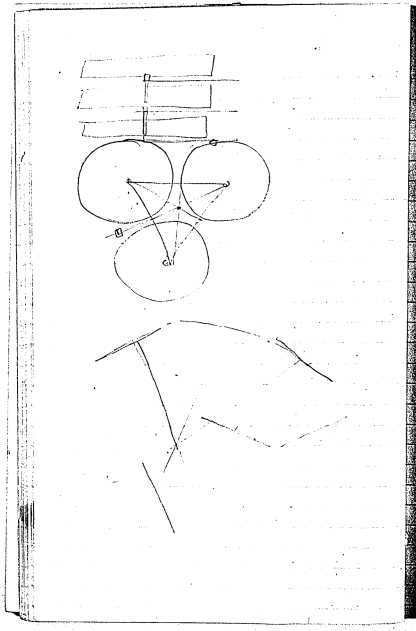
600 - 140 / 460 / 5775 / 5675

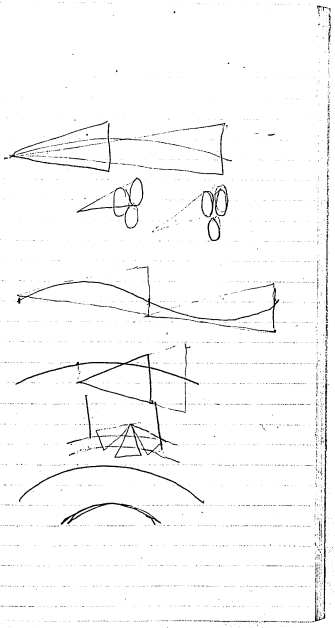
500- see 2 ft Long

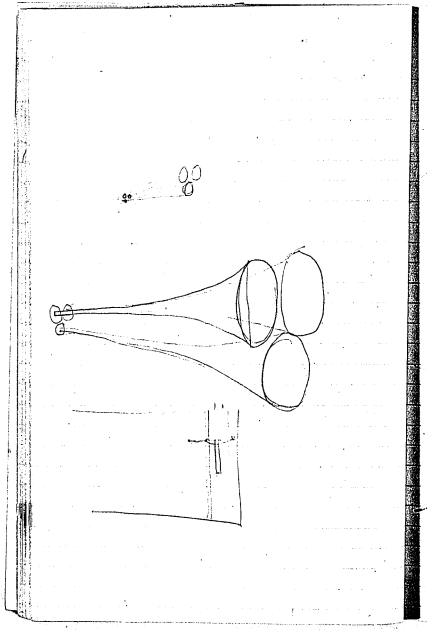


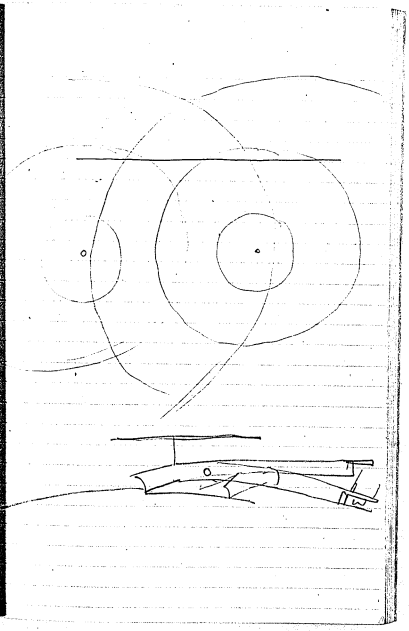





CM







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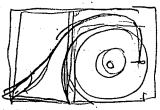

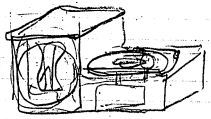

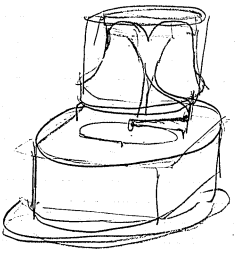

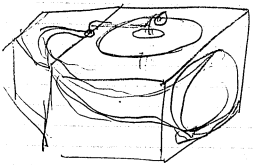

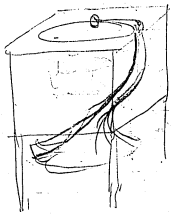

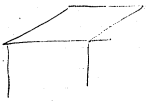

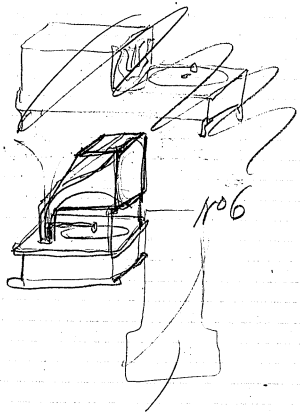
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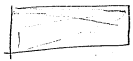
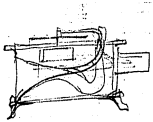
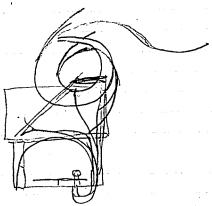
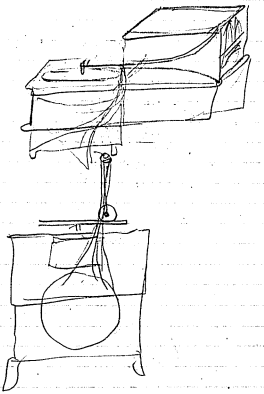
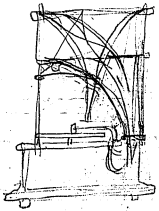
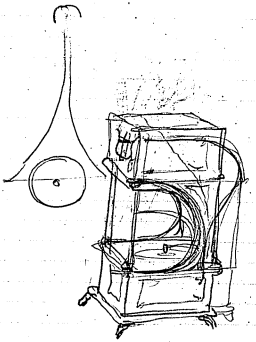


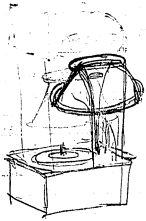


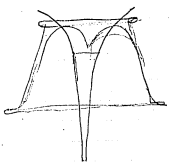


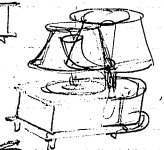




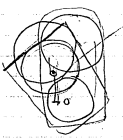




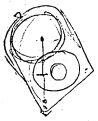


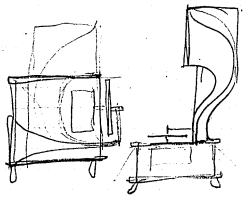


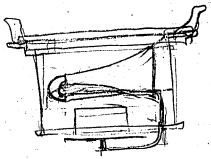




See next page for 3 X 1 members







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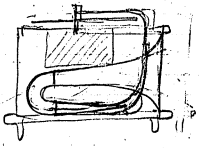
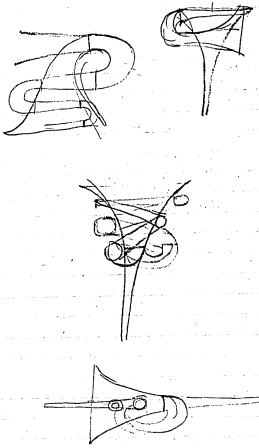


Simulação



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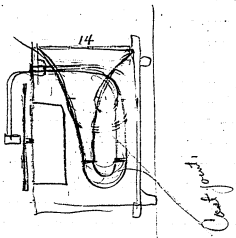
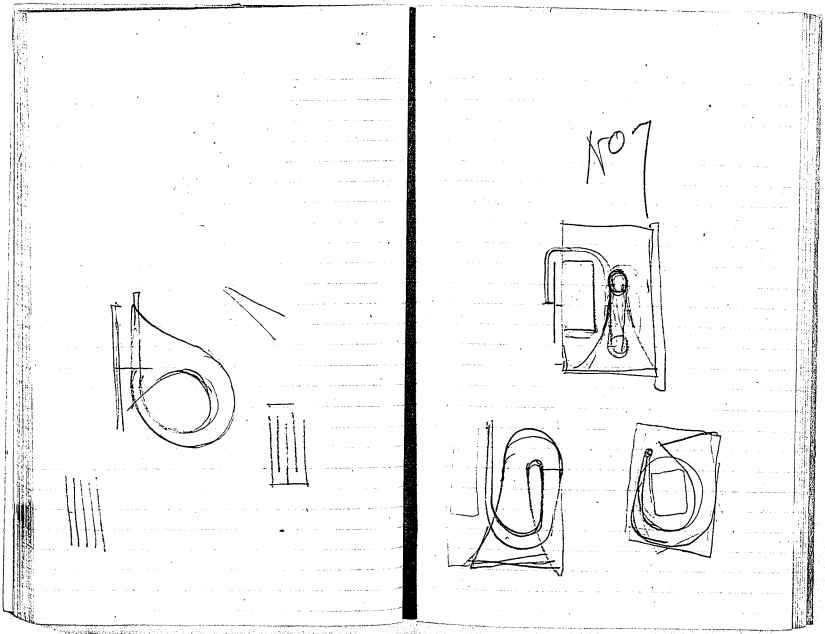
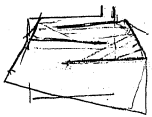



107

Apr 7 Make volute pin



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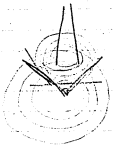

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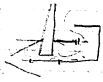

30 / 3555 ( 118-
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